

F. No. 30/50/2016-17/PVSE
Government of India
Ministry of New & Renewable Energy

Block No. 14, CGO Complex
Lodhi Road, New Delhi-03
Dated 08.01.2018

Office Memorandum

Subject: Expression of Interest (EOI) for conducting Technical & performance evaluation and social-economic impact assessment of Solar Pumps and Solar Home Lighting Systems.

Reference is invited to Expression of Interest (EOI) dated 18.12.2017 issued by this Ministry for conducting technical evaluation and social-economic impact assessment of Solar Pumps and Solar Home Lighting Systems.

2. Representations have been received from interested parties requesting clarity on number of installations to be surveyed under the proposed technical and social impact assessment. Accordingly, it has been decided to revised the EOI and extend the date of submission of the EOI for the said assignment. The revised EOI and submission schedule will be issued by the Ministry shortly and uploaded on Ministry's website.

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To,
All Concerned

No. 30/50/2016-17/PVSE
Government of India
Ministry of New and Renewable Energy

14, CGO Complex, Lodi Road,
New Delh-110003.
Date: 18 December 2017

Invitation for Expression of Interest (EOI) for conducting Technical & performance evaluation and social-economic impact assessment of Solar Pumps and Solar Home Lighting Systems installed through SNA and NABARD under Off-grid and Decentralized Solar Power Applications Programme.

1. Background

The Ministry is promoting the use of Off Grid Solar PV systems in the country for individual/community/institutional users. The reduction in the diesel or other fossil fuels for power generation is also one of the key objectives of the programme. Under this programme Ministry is providing Central Financial Assistance (CFA) to implementing agencies for deployment of SPV home lighting systems, Solar street lights, Solar pumps, power packs and other solar applications to meet out the electricity and lighting needs of the individual in the rural areas. One of the implementing agency for lighting system and pump is NABARD through which CFA of 40% of the benchmark cost was being provided. The other implementing agencies are SNAs through which CFA of 30% was being given.

2. Purpose of the Evaluation Study

The purpose of the study is to conduct technical & performance evaluation and social-economic impact assessment of solar pumps and solar home lighting systems installed through SNA and NABARD under Off-grid and Decentralized Solar Power Applications Programme during 2011-12 to 2016-17.

3. Terms of Reference

Terms of Reference of the assignment will be as under:

- i. Technical and performance evaluation of solar pumps and solar home lighting systems installed under the programme through NABARD during 2011-12 to 2016-17;
- ii. Technical and performance evaluation of solar pumps and solar home lighting systems installed under the programme through SNAs during 2011-12 to 2016-17;
- iii. Sample size for physical verification could be up to 10% of total systems installed. Minimum sample size in each state would be decided in consultation with Ministry. The number of systems installed during 2011-12 to 2016-17 are given in Annexure;

- iv. Assess the social-economic impact of solar pumps and solar home lighting systems installed under the programme through NABARD and SNAs. This should include assessment of beneficiary profile covered under the programme;
- v. Assess the implementation procedure and after sales service provided by supplier;
- vi. Assess whether the objectives of the programme have been achieved;
- vii. Identify challenges, pitfalls and key learning's from the programme;
- viii. Provide detailed recommendations and comment on need for continuation/ modification in the programme; and
- ix. Any other relevant task given by the Ministry.

4. Eligibility

Reputed consultants or consulting organizations having an experience of at least five years in conducting such assignments and an annual turnover of at least Rs. 1.00 crore per year during the last three years will be eligible. Having sector specific experience and in-house capability to manage the assignment, will be an added advantage.

5. Submission of Expression of Interest

Reputed consultants/consulting organisation with adequate and specific expertise in conducting such assignments may submit Expression of Interest to Shri Nikhil Gakkhar, Scientist-B, Ministry of New and Renewable Energy, Room No 8, Block 14, CGO Complex, Lodhi Road, New Delhi-110003 by 1700 hours on 08 January 2018 , in a sealed cover superscripting “**EOI for conducting Technical & performance evaluation and social-economic impact assessment of Solar Pumps and Solar Home Lighting Systems installed through SNA and NABARD under Off-grid and Decentralized Solar Power Applications Programme**” containing two separate envelops superscripting Technical Bid and Financial Bid.

a. The Technical Bid should contain the following:

- i. Full particulars of the Constitution, ownership, organizational structure and main activities of the prospective consultant, including details of full time professionals;
- ii. Unabridged annual reports or audited financial accounts for the last three years;
- iii. Names and short CVs of the full time & part time researchers proposed to be involved in the work (the CVs would need to be backed by written commitment of the person of availability of his service, if selected);
- iv. Details of major assignments undertaken of a similar nature, during the last five years;
- v. Understanding of the TOR (from the perspective of the bidder) including methodology (detailed plan) indicating how it proposes to carry out each study in the specific sector/ subject/area. The Plan shall include the rationale behind the intended methodology; and
- vi. Implementation Schedule.

b. Earnest Money Deposit (EMD)

The Earnest Money Deposit (EMD) of Rs. 10,000/- should accompany the technical bid by Demand Draft drawn in favour of DDO, MNRE, New Delhi and payable at New Delhi. EOI received without EMD shall not be considered. In case of non award of the work, the EMD would be returned back to the bidder without any interest. For the same, the bidder should also provide an open envelope in his/organization name, in the envelope so as to return the EMD, if required.

Note: The Ministry would not reimburse any of the expenses incurred by the Consultant/Agency towards preparation of the EOI document, travelling cost, boarding and lodging incurred by it for attending any pre-bid discussion or bid meeting or visiting the Ministry for making the presentation. The Ministry shall in no case be responsible for any such costs whatsoever, regardless of the outcome of the EOI / bidding process.

6. Evaluation Criteria

The consultants will be evaluated broadly on the following criteria:

- Profile of the organization;
- Organisational structure and constitution;
- Core business and duration of business;
- Technical and managerial capability of the firm;
- Performance record of the last three years;
- Methodology and work plan for the proposed assignment;
- Experience and qualification of key team members to be deployed in the work (full time & part time separately).

Points for evaluation for technical proposals are shown in Table 1:

Table 1: Evaluation points for technical proposal

Sr No	Description	Points
1	Approach/ Methodology /Work plan proposed	25
2	The background of the consulting firm <ul style="list-style-type: none">• Track record of the firm• Technical professional working on regular role for more than 5 years	10
3	Evaluation projects completed in last 5 years and number of projects evaluated in relevant field	15
4	Expertise/experience of the organization in relevant area	25
5	Qualifications/experience of the key personnel	15
6	Recognition, accreditation, awards etc. of consulting firm <ul style="list-style-type: none">• Central/State Government• Others if any	10
	Total	100

The financial bids of only those firms will be opened who have scored at least 70 marks in the technical evaluation criteria. The financial bids will be opened in the presence of shortlisted bidders and bidders with lowest cost will be awarded the assignment.

7. Time Schedule

The final report of the study is to be completed within six months' time from the award of work (extendable by the MNRE at its discretion depending upon the requirements/ justification). The following schedule needs to be adhered:

- a. By the end of one month, the consultancy firm shall make a presentation of the inception report of the study to the MNRE.
- b. The first draft report of the study shall be submitted to the MNRE within four month from the date of award of the study after taking note of the points raised during the presentation.
- c. The final report shall be submitted within one month after receiving the comments from the MNRE on the Draft Report.

8. Payment terms and conditions

The payment terms for the consultancy are scheduled as follows:

- 40% of the total consultancy to be paid after submission / presentation of an inception report
- 30% of the total consultancy to be paid on submission of the first draft of the evaluation report; and
- 30% to be paid on the finalization and submission of the report draft based on feedback from the MNRE.

9. Data, services and facilities to be provided by the MNRE

- Data available with MNRE will be provided to the consultant only for the purpose of this study. Any other facilities like office space, rest house, transport, computer, photocopying facilities and typing/ stenographic assistance etc. would not be provided by the Ministry to the consultancy firm.
- MNRE reserves the right to interpret the whole or part of EOI in case of any ambiguity arises at any state.

10. Deliverables

- a. Inception report;
- b. Draft reports from time to time;
- c. Coloured photographs of the sites visited/evaluated;
- d. Final reports (10 copies with coloured print);
- e. Soft copy of all documents.

11. Clarification

For any clarification, please contact Shri Nikhil Gakkhar, Scientist-B, Ministry of New and Renewable Energy, Room No 8, Block 14, CGO Complex, Lodhi Road, New Delhi-110003 (Tele: 011-24360707 (ext) 2032, E- mail: nikhil.mnre@gov.in)

Annexure

S. No.	State/UTs	Systems installed during 2011-12 to 2016-17	
		Solar Home lighting Systems	Solar Pumps
1	Andaman & Nicobar	63	0
2	Andhra Pradesh	21014	10006
3	Arunanchal Pradesh	8767	7
4	Assam	1056	0
5	Bihar	8953	1743
6	Chhattisgarh	543	10959
7	Delhi	0	1
8	Goa	31	0
9	Gujarat	22	7966
10	Haryana	11172	74
11	Himachal Pradesh	5744	0
12	Jammu & Kashmir	42236	0
13	Jharkhand	2574	3146
14	Karnataka	16504	2926
15	Kerala	9586	0
16	Madhya Pradesh	1365	3726
17	Maharashtra	1425	1800
18	Manipur	35	0
19	Meghalaya	4	0
20	Mizoram	1406	0
21	Nagaland	325	0
22	Orissa	118	7023
23	Punjab	6	0
24	Rajasthan	63515	40907
25	Sikkim	10419	0
26	Tamil Nadu	222784	3934
27	Telangana	0	424
28	Tripura	6657	0
29	Uttar Pradesh	103706	10287
30	Uttarakhand	288	0
31	West Bengal	14459	605
32	NABARD	108000	2027
Total		662777	107561